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PATENT RD-28512

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Langan et al.

Serial No. 09/682,235

Filed: August 8, 2001

For: METHODS FOR IMPROVING

CONTRAST BASED DYNAMIC

RANGE MANAGEMENT

Group Art Unit: 26 RECEIVED

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## **CERTIFICATE OF MAILING**

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## TRANSMITTAL OF FORMAL DRAWINGS

Enclosed are four (4) sheets of formal drawings for the above-identified patent application.

Respectfully Submitted,

Thomas M. Fisher

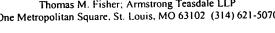
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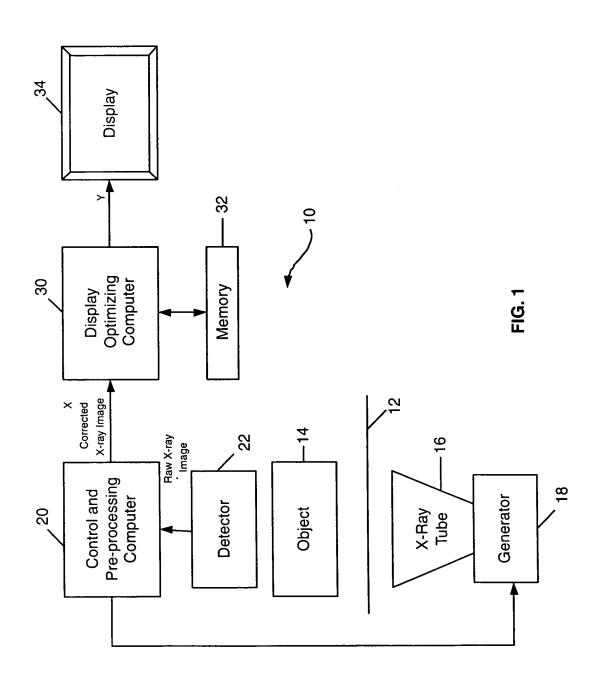
St. Louis, Missouri 63102-2740

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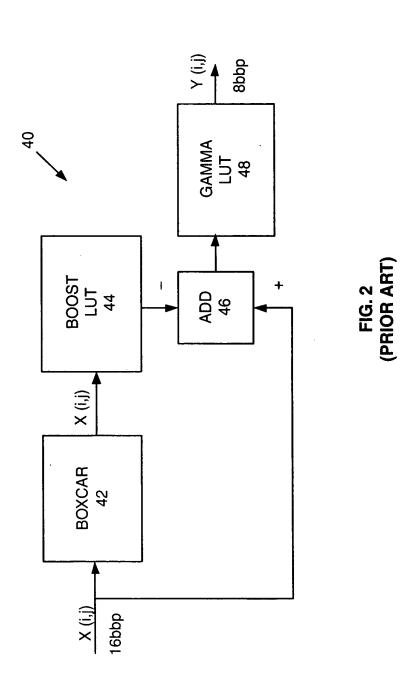


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Applicant: Langan et al. Serial No: 09/682,235 Atty. Dkt. No: RD-28512
Title: METHODS FOR IMPROVING CONTRAST BASED
DYNAMIC RANGE MANAGEMENT
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FIG. 3

52

Defining a plurality of units of the input image such that each unit corresponds to a pixel of the input image as detected by a digital detector.

54

Determining a local mean estimate of the intensity of each of the plurality of units of the input image.

56

Generating a contrast modification processing value for each local mean estimate.

58

Generating an output intensity value, for each local mean estimate, by using only the generated contrast modification processing value and an input intensity value.

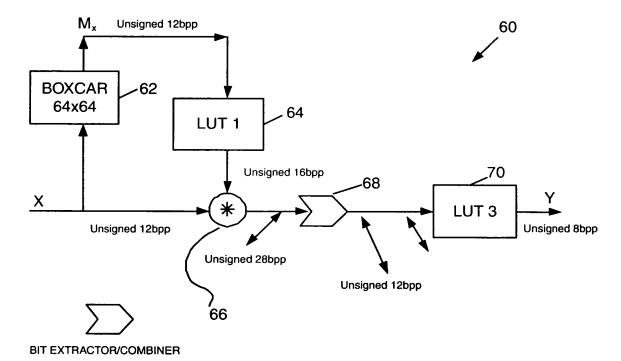


FIG. 4

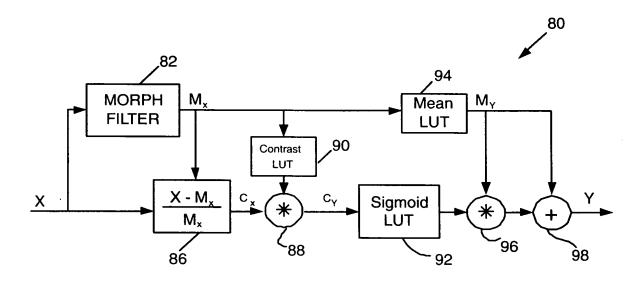


FIG. 5